

1642

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/743,682

DATE: 07/25/2001
TIME: 12:38:54

A#7

Input Set : A:\50218.002003.SEQLIST.TXT
Output Set: N:\CRF3\07252001\I743682.raw

ENTERED

4 <110> APPLICANT: Sattcioglu, Fahri
6 <120> TITLE OF INVENTION: Differentially Expressed Genes in
7 Prostate Cancer
9 <130> FILE REFERENCE: 50218/002003
11 <140> CURRENT APPLICATION NUMBER: US 09/743,682
12 <141> CURRENT FILING DATE: 2001-01-10
14 <150> PRIOR APPLICATION NUMBER: PCT/IB00/00673
15 <151> PRIOR FILING DATE: 2000-05-19
17 <150> PRIOR APPLICATION NUMBER: US 60/135,325
18 <151> PRIOR FILING DATE: 1999-05-20
20 <150> PRIOR APPLICATION NUMBER: US 60/135,333
21 <151> PRIOR FILING DATE: 1999-05-20
23 <160> NUMBER OF SEQ ID NOS: 21
25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 618
29 <212> TYPE: DNA
30 <213> ORGANISM: Homo sapiens
32 <400> SEQUENCE: 1
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34 gcacactgtt tccagaactc ctacaccata gggctgggcc tgcacagtct tgaggccgac 120
35 caagagccag ggagccagat ggtggaggcc agcctctccg tacggcacc agagtacaac 180
36 agacccttgc tcgctaacga cctcatgtct atcaagttgg acgaatccgt gtccgagtct 240
37 gacaccatcc ggagcatcag cattgtctcg cagtgccta ccgcggggaa ctcttgctc 300
38 gtttctggct ggggtctgct gggaacggc agaatgccta ccgtgctgca gtgcgtgaac 360
39 gtgtcggtag tgtctgagga ggtctgcagt aagctctatg acccgctgta ccacccagc 420
40 atgttctgag ccggcggagg gcaagaccag aaggactcct gcaacggtga ctctggggg 480
41 cccctgatct gcaacgggta cttgcagggc cttgtgtctt tcggaaaagc cccgtgtggc 540
42 caagttggcg tgccaggtgt ctacaccaac ctctgcaaat tcaactgagt gatagagaaa 600
43 accgtccagg ccagttaa 618
45 <210> SEQ ID NO: 2
46 <211> LENGTH: 481
47 <212> TYPE: DNA
48 <213> ORGANISM: Homo sapiens
50 <400> SEQUENCE: 2
51 atggaaaacg aattgttctg ctcgggcgctc ctggtgcata cgcagtgggt gctgtcagcc 60
52 gcacactgtt tccagaactc ctacaccata gggctgggcc tgcacagtct tgaggccgac 120
53 caagagccag ggagccagat ggtggaggcc agcctctccg tacggcacc agagtacaac 180
54 agacccttgc tcgctaacga cctcatgtct atcaagttgg acgaatccgt gtccgagtct 240
55 gacaccatcc ggagcatcag cattgtctcg cagtgccta ccgcggggaa ctcttgctc 300
56 gtttctggct ggggtctgct gggaacggg tgactctggg gggccctga tctgcaacgg 360
57 gtacttgtag ggccttgtgt ctttcggaaa agccccgtgt ggccaagttg gcgtgccagg 420
58 tgtctacacc aacctctgca aattcactga gtggatagag aaaaccgtcc aggccagtta 480
59 a 481
61 <210> SEQ ID NO: 3
62 <211> LENGTH: 702
63 <212> TYPE: DNA

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64 <213> ORGANISM: Homo sapiens

66 <400> SEQUENCE: 3

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67 atggaaaacg aattgttctg ctcgggcgct ctggtgcac cgcagtgggt gctgtcagcc 60
68 gcacactgtt tccagaactc ctacaccatc gggctgggcc tgcacagtct tgaggccgac 120
69 caagagccag ggagccagat ggtggaggcc agcctctccg tacggcacc agagtacaac 180
70 agacccttgc tcgctaacga cctcatgtct atcaagttgg acgaatccgt gtccgagtct 240
71 gacaccatcc ggagcatcag cattgtctcg cagtgcccta ccgcggggaa ctcttgccctc 300
72 gtttctggct ggggtctgct ggcgaacggt gagctcacgg gtgtgtgtct gccctcttca 360
73 aggaggctct ctgcccagtc gcgggggctg acccagagct ctgctccca ggcagaatgc 420
74 ctaccgtgct gcagtgcgtg aacgtgtcgg tgggtctctga ggaggtctgc agtaagctct 480
75 atgaccgcgt gtaccacccc agcatgttct gcgcggcgcc agggcaagac cagaaggact 540
76 cctgcaacgg tgactctggg ggggccctga tctgcaacgg gtacttgagc ggccttggt 600
77 ctttcggaaa agcccgtgtg tggccaagtt ggcgtgccag gtgtctacac caacctctgc 660
78 aaattcactg agtggataga gaaaaccgtc caggccagtt aa 702

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80 <210> SEQ ID NO: 4

81 <211> LENGTH: 834

82 <212> TYPE: DNA

83 <213> ORGANISM: Homo sapiens

85 <400> SEQUENCE: 4

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86 ggaatgagcc tggatccggg gagcccagag ggaagggctg ggaggcgga atcttgcttc 60
87 ggaaggactc agagagtcct gacttgaaat ctacagccag tgctgagtct ctagtgaact 120
88 aagctcctac accatcgggc tgggcctgca cagtcttgag gccgaccaag agccaggag 180
89 ccagatggtg gaggccagcc tctccgtacg gcacccagag tacaacagac ccttgctcgc 240
90 taacgacctc atgtcatca agttggacga atccgtgtcc gactctgaca ccattccggag 300
91 catcagcatt gcttcgcagt gccctaccgc ggggaactct tgctcgttt ctggctgggg 360
92 tctgctggcg aacggtgaac tcacgggtgt gtgtctgccc tcttcaagga ggtcctctgc 420
93 ccagtcgcgg gggctgaccc agagctctgc gtcccaggca gaatgcctac cgtgtgtcag 480
94 tgctgtaacg tgtcgggtgt gtctgaggag gtctgcagta agctctatga cccgctgtac 540
95 caccocagca tgttctgcgc cggcggaggg caagaccaga aggactcctg caacggtgac 600
96 tctggggggc ccttgatctg caacgggtac ttgcagggcc ttgtgtcttt cggaaaagcc 660
97 ccgtgtggcc aagttggcgt gccagggtgc tacaccaacc tctgcaaatt cactgagtgg 720
98 atagagaaaa ccgtccaggc cagttaactc tggggactgg gaaccatga aattgacccc 780
99 caatacatc ctgggaagg aattcaggaa tatctgatcc cagccctcc tccc 834

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101 <210> SEQ ID NO: 5

102 <211> LENGTH: 440

103 <212> TYPE: DNA

104 <213> ORGANISM: Homo sapiens

106 <400> SEQUENCE: 5

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107 ggaatgagcc tggatccggg gagcccagag ggaagggctg ggaggcgga atcttgcttc 60
108 ggaaggactc agagagccct gacttgaaat ctacagccag tgctgagtct ctagtgaact 120
109 aagctcctac accatcgggc tgggcctgca cagtcttgag gccgaccaag agccaggag 180
110 ccagatggtg gaggccagcc tctccgtacg gcacccagag tacaacagac ccttgctcgc 240
111 taacgacctc atgtcatca agttggacga atccgtgtcc gactctgaca ccattccggag 300
112 catcagcatt gcttcgcagt gccctaccgc ggggaactct tgctcgttt ctggctgggg 360
113 tctgctggcg aacggcagaa tgcctaccgt gctgcagtgc gtgaacgtgt cgggtgtgtc 420
114 tgaggaggtc tgcagtaagc

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116 <210> SEQ ID NO: 6

117 <211> LENGTH: 457

118 <212> TYPE: DNA

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119 <213> ORGANISM: Homo sapiens
121 <400> SEQUENCE: 6
122 ggctctggga ggaggacgga atgagcctgg atccggggag cccagagggga agggctggga 60
123 ggcgggaatc ttgcttcgga aggactcaga gagccctgac ttgaaatctc agcccagtg 120
124 tgagtctcta gtgaactaag ctccacacc atcgggctgg gcctgcacag tcttgaggcc 180
125 gaccaagagc cagggagcca gatggtggag gccagcctct ccgtacggca cccagagtac 240
126 aacagaccct tgctcgctaa cgacctcatg ctcatcaagt tggacgaatc cgtgtccgag 300
127 tctgacacca tccggagcat cagcattgct tcgcagtgcc ctaccgcggg gaactcttgc 360
128 ctcgtttctg gctgggggtct gctggcgaac ggcagaatgc ctaccgtgct gcagtgcgtg 420
129 aacgtgtcgg tgggtgtctga ggaggtctgc agtaagc 457
131 <210> SEQ ID NO: 7
132 <211> LENGTH: 636
133 <212> TYPE: DNA
134 <213> ORGANISM: Homo sapiens
136 <400> SEQUENCE: 7
137 accaccccag catgttctgc gccggcggag agcaagacca gaaggactcc tgcaacgtga 60
138 gagaggggaa aggggagggc aggcgactca ggaagggtg gagaagggg agacagagac 120
139 acacagggcc gcatggcgag atgcagagat ggagagacac acagggagac agtgacaact 180
140 agagagagaa actgagagaa acagggaaat aaacacagga ataaagagaa gcaaaggaag 240
141 agagaaacag aaacagacat gggggaggca gaaacacaca cacatagaaa tgcagctgac 300
142 cttccaacag catggggcct gaggggcgtg acctccacc aacagaaaat cctcttataa 360
143 cttttgactc cccaaaaaac ctgactagaa atagcctact gttgacggg gagccttacc 420
144 aataacataa atagtcgatt tatgcatacg ttttatgcat tcatgatata cttttgttgg 480
145 aattttttga tattttctaag ctacacagtt cgtctgtgaa tttttttaa ttgttgcaac 540
146 tctcctaaaa ttttttctaa tgtgtttatt gaaaaaaatc caagtataag tggacttgtg 600
147 cagttcaaac cagggttggt caagggtcaa ctgtgt 636
149 <210> SEQ ID NO: 8
150 <211> LENGTH: 205
151 <212> TYPE: PRT
152 <213> ORGANISM: Homo sapiens
154 <400> SEQUENCE: 8
155 Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Trp
156 1 5 10 15
157 Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu
158 20 25 30
159 Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val
160 35 40 45
161 Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Leu
162 50 55 60
163 Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Ser
164 65 70 75 80
165 Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly
166 85 90 95
167 Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Arg Met
168 100 105 110
169 Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu Glu Val
170 115 120 125
171 Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys Ala
172 130 135 140

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173 Gly Gly Gly Gln Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly Gly
174 145          150          155          160
175 Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly Lys
176          165          170          175
177 Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn Leu Cys
178          180          185          190
179 Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser
180          195          200          205

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183 <210> SEQ ID NO: 9

184 <211> LENGTH: 110

185 <212> TYPE: PRT

186 <213> ORGANISM: Homo sapiens

188 <400> SEQUENCE: 9

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189 Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Trp
190 1          5          10          15
191 Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu
192          20          25          30
193 Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val
194          35          40          45
195 Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Leu
196          50          55          60
197 Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Ser
198 65          70          75          80
199 Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly
200          85          90          95
201 Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly
202          100          105          110

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205 <210> SEQ ID NO: 10

206 <211> LENGTH: 146

207 <212> TYPE: PRT

208 <213> ORGANISM: Homo sapiens

210 <400> SEQUENCE: 10

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211 Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Trp
212 1          5          10          15
213 Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu
214          20          25          30
215 Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val
216          35          40          45
217 Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Leu
218          50          55          60
219 Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Ser
220 65          70          75          80
221 Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly
222          85          90          95
223 Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Glu Leu
224          100          105          110
225 Thr Gly Val Cys Leu Pro Ser Ser Arg Arg Ser Ser Ala Gln Ser Arg
226          115          120          125
227 Gly Leu Thr Gln Ser Ser Ala Ser Gln Ala Glu Cys Leu Pro Cys Cys

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228      130      135      140
229 Ser Ala
230 145
233 <210> SEQ ID NO: 11
234 <211> LENGTH: 100
235 <212> TYPE: PRT
236 <213> ORGANISM: Homo sapiens
238 <400> SEQUENCE: 11
239 Met Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro
240 1      5      10      15
241 Leu Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser
242      20      25      30
243 Glu Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr
244      35      40      45
245 Ala Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly
246      50      55      60
247 Glu Leu Thr Gly Val Cys Leu Pro Ser Ser Arg Arg Ser Ser Ala Gln
248 65      70      75      80
249 Ser Arg Gly Leu Thr Gln Ser Ser Ala Ser Gln Ala Glu Cys Leu Pro
250      85      90      95
251 Cys Cys Ser Ala
252      100
255 <210> SEQ ID NO: 12
256 <211> LENGTH: 85
257 <212> TYPE: PRT
258 <213> ORGANISM: Homo sapiens
260 <400> SEQUENCE: 12
261 Met Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro
262 1      5      10      15
263 Leu Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser
264      20      25      30
265 Glu Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr
266      35      40      45
267 Ala Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly
268      50      55      60
269 Arg Met Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu
270 65      70      75      80
271 Glu Val Cys Ser Lys
272      85
275 <210> SEQ ID NO: 13
276 <211> LENGTH: 85
277 <212> TYPE: PRT
278 <213> ORGANISM: Homo sapiens
280 <400> SEQUENCE: 13
281 Met Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro
282 1      5      10      15
283 Leu Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser
284      20      25      30
285 Glu Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr

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VERIFICATION SUMMARY

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